DERWENT- 1996-410871

ACC-NO:

DERWENT- 199641

WEEK:

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TITLE: Device for measuring level of water in steam generator drum - has vertical vessel

with additional pipe connected to upper part of water enclosure of drum at

position lower than level position at nominal regime of operation

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PATENT-ASSIGNEE: TARANKOV G A[TARAI]

PRIORITY-DATA: 1986SU-4072918 (May 30, 1986)

PATENT-FAMILY:

PUB-NO PUB-DATE LANGUAGE PAGES MAIN-IPC

SU 1464619 A1 January 20, 1996 N/A 003 F22D 005/00

APPLICATION-DATA:

PUB-NO APPL-DESCRIPTOR APPL-NO APPL-DATE

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INT-CL (IPC): F22D005/00, G01F003/10

ABSTRACTED-PUB-NO: SU 1464619A

BASIC-ABSTRACT:

The lower and upper pipes (4,3) of vertical vessel (2) contg. water level sensors (6), are connected resp. with the lower part of the water and upper part of the steam enclosures of the drum. The pipe (5) is connected to the upper part of the water enclosure of the drum at a point located lower that the level in the nominal regime of operation.

A divider (7) with a breather pipe (10) is mounted below pipe (5). The sensors (6) produce signals linked to the oscillations of the physical level in the drum. When the level is located above pipe (5) the level in the upper part of vessel (2) directly characterises the physical level in the drum without correction for the magnitude of the mass level in the drum.

USE/ADVANTAGE - In atomic power plants. Improves accuracy of measurement. Bul. 2/20.1.96

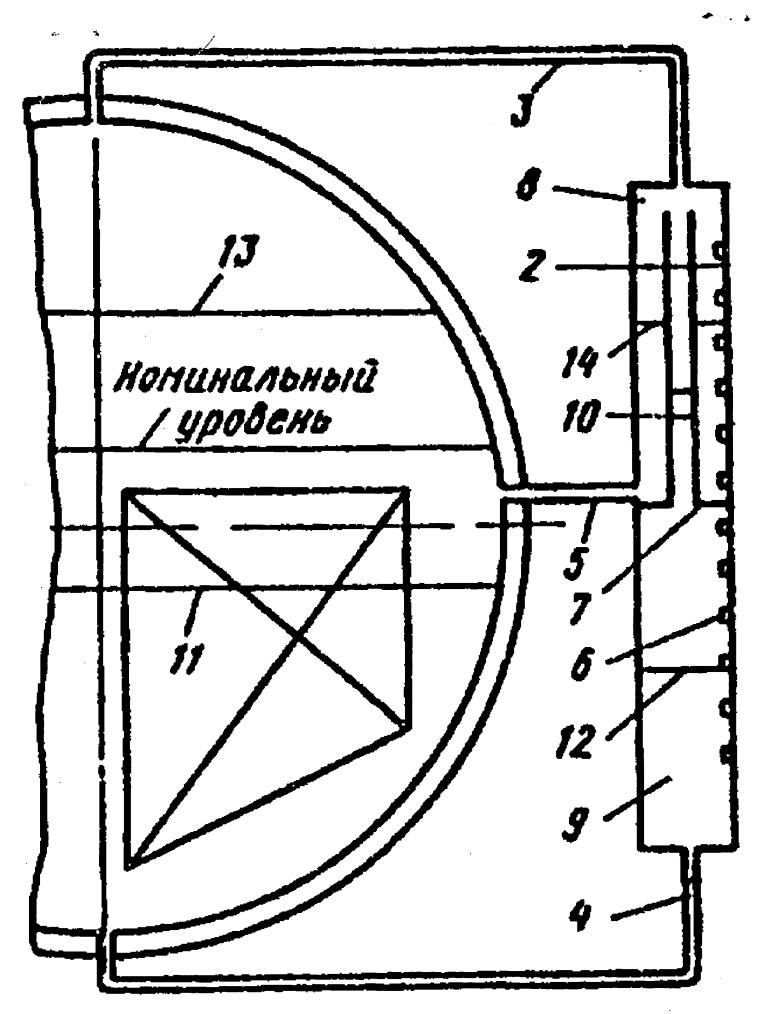
CHOSEN- Dwg.2/2

DRAWING:

TITLE- DEVICE MEASURE LEVEL WATER STEAM GENERATOR DRUM VERTICAL VESSEL ADD PIPE CONNECT

TERMS: UPPER PART WATER ENCLOSE DRUM POSITION LOWER LEVEL POSITION NOMINAL REGIME

OPERATE



9/29/06, EAST Version: 2.0.3.0